

- MLTS-210 Clinical Hematology** 4 cr.
Introduction to theory and practice of hematology. Topics include principles of cell production, function, cell counting, classification, and morphology. Manual and automated instrumentation methods and correlation of results with pathophysiology are covered. Minimum grade required: "C".
- MLTS-211 Clinical Hemostasis** 1 cr.
Introduction to theory and practice of hemostasis. Explores mechanisms of coagulation disorders. Manual and automated instrumentation methods and correlation of results with pathophysiology are covered. Minimum grade required: "C".
- MLTS-212 Urinalysis and Body Fluids** 1 cr.
Physical, chemical and microscopic study of urine with emphasis on the changes exhibited in disease with related renal anatomy and physiology. Current instrumentation will be covered. Analysis of other body fluids as spinal and pleural fluid will be included. Prerequisites: MLTS-120, MLTS-160. Semester offered: On demand.
- MLTS-213 Clinical Chemistry Diagnostics** 4 cr.
Lecture and laboratory experience in clinical chemistry techniques and instrumentation utilized to determine state of health, diagnose disease and determine treatment effectiveness. Correlation of test results with pathophysiology will be covered. Minimum grade required: "C".
- MLTS-214 Immunohematology** 2 cr.
Study of basic theory of blood group systems, antibody detection and identification, compatibility testing and investigation of hemolytic disease of the newborn. Topics of blood collection, processing, component preparation and storage also included. Minimum grade required: "C".
- MLTS-215 Immunology Concepts** 1 cr.
Fundamentals of clinical immunology, including cells mediated and antibody mediated immunity. Molecular aspects and theories of testing concepts will be discussed. Correlation of laboratory test results with clinical disease states is covered. Minimum grade required: "C".
- MLTS-216 Clinical Microbiology** 4 cr.
Emphasis on the theoretical foundations and methodologies used in a medical microbiology laboratory. Topics include cultivation, isolation, microscopy, and antibiotic susceptibility testing. Morphological, biochemical, and immunological characteristics employed for identification. Epidemiology and pathogenicity of microorganisms of medical importance and covered. Minimum grade required: "C".
- MLTS-217 Molecular Diagnostics and Special Procedures** 2 cr.
Introduction to principles and application of DNA technology and other special testing in the clinical laboratory. Clinical laboratory experiences in molecular diagnostic techniques and instrumentation will be included. Minimum grade required: "C".
- MLTS-220 Clinical Hematology and Hemostasis** 4 cr.
Clinical laboratory experience in basic hematology techniques and instrumentation to evaluate hematopoietic elements as well as practice in blood coagulation methodologies and at a clinical affiliate site as assigned by the program director. Minimum grade required: "C".
- MLTS-221 Clinical Chemistry Practicum** 3 cr.
Clinical laboratory experience using basic and advanced chemical techniques and instrumentation to evaluate state of health, diagnose disease and determine treatment effectiveness at a clinical affiliate site as assigned by the program director. Minimum grade required: "C".
- MLTS-222 Clinical Microbiology Practicum** 3 cr.
Clinical laboratory experience in basic and advanced study of normal flora and pathogenic microorganisms having medical importance. Includes methods for obtaining and handling specimens for culture as well as principles of current instrumentation at a clinical affiliate site as assigned by the program director. Minimum grade required: "C".
- MLTS-223 Immunology and Immunohematology Practicum** 2 cr.
Clinical laboratory experience in basic practice of techniques used in the immunology and experience developing problem solving abilities as applied to blood group antigens, antibodies, and compatibility testing at a clinical affiliate site as assigned by the program director. Minimum grade required: "C".
- MLTS-230 Career Success Seminar** 2 cr.
This course covers various strategies for career success including analysis of the learning style needs for self and others for training in the clinical laboratory setting, teamwork building, organizational models, resume preparation, and review for the national certification examinations. Minimum grade required: "C".

MEDICAL TRANSCRIPTION

- MTRN-110 Intro to Medical Transcription** 3 cr.
Introduction to the field of medical transcription, English and style essentials for medical transcriptionists, and word processing basics and efficiency exercises. This course will re-introduce students to the keyboard, including finger placement, and teach them to increase typing speed and accuracy through focused key exercises and practice. This course is only open to Medical Transcription students.
- MTRN-120 Medical Terminology** 3 cr.
The student will focus on learning the language of medicine by studying prefixes, suffixes, word roots and their combining forms. This course includes spelling, usage, comprehension and pronunciation. This course is only open to Medical Transcription students.
- MTRN-130 Anatomy and Physiology** 3 cr.
Introduce the Medical Transcription student to anatomy and physiology of the human body. All major body systems are covered. Students are expected to learn basic anatomical terms and their appropriate spellings, as well as symptoms and disease processes associated with each body system. This course is only open to Medical Transcription students.
- MTRN-140 Disease Processes** 2 cr.
A survey of disease processes found in the physiologic systems of the human body, including neurologic, endocrine, reproductive, hematology, cardiovascular, respiratory, urinary, digestive, musculoskeletal, and integumentary. This course is only open to Medical Transcription students.

MTRN-150 Application and Pronunciation 3 cr.
 Many medical terms sound alike, and medical transcriptionists are required to differentiate between the spoken word and the proper spellings and meanings of terms. This course requires memorization of many of the most commonly confused terms through exercises and repetition. This course is only open to Medical Transcription students.

MTRN-200 Medical Specialties and Editing 3 cr.
 This course will familiarize students with the breadth and scope of each dictated specialty report in a medical record. Requires memorization of associated medical terms and abbreviations as well as recognizing proper order and spelling. Students are required to read and become familiar with the types of reports associated with each medical specialty and unique instruments, abbreviations, procedures, and medications used in medical treatment. This course is only open to Medical Transcription students.

MTRN-220 Beginning Transcription 3 cr.
 Students will type clinic notes for outpatient doctor office visits. Practice in transcribing actual physician dictation provides students with the foundation of experience necessary to work on clinic note dictation. This course is only open to Medical Transcription students.

MTRN-230 Intermediate Transcription 4 cr.
 Practice in transcribing hospital dictation in order to provide students with a foundation of experience that they will build on with more difficult physician dictation in the next course. This course includes all types of inpatient and emergency room medical records. This course is only open to Medical Transcription students.

MTRN-240 Advanced Transcription 4 cr.
 Provide practice in transcribing actual physician dictation including difficult-to-understand doctors and foreign accents, providing students with the foundation of experience necessary to work on clinic note dictation. These include all types of inpatient and emergency room medical records. This course is only open to Medical Transcription students.

MTRN-250 Shortcuts and Efficiencies 2 cr.
 This unit introduces students to the medical transcription industry including required equipment and software to assist in productivity, typical line counts and methods of pay, and places to ultimately find employment. This course is only open to Medical Transcription students.

MUSIC

MUSI-110 Introduction to Music 3 cr.
 Theory, elementary study of form, and instruments of the orchestra. A music vocabulary is formed to help the layperson understand musical organization. Music history by period, composer, and composition. Prerequisite: APEN 85+ or ENGL 099. Semester offered: Fall and Spring. [NM Common Course Number MUSI 1013, Area V: Humanities/Fine Arts Core]

MUSI-111 Music History 3 cr.
 Exploration of the classical music of western society from its earliest origins through the late 20th century innovations. To gain a better

understanding of classical music, this broad music history course explores the Medieval, Renaissance, Baroque, Classical, Romantic, and Modern periods of music. Prerequisite: APEN 85+ or ENGL 099. Semester offered: Spring.[NM Common Course Number MUSI 1313, Area V: Humanities/Fine Arts Core]

MUSI-112 World Music 3 cr.
 World Music gives students a concrete grasp of the rich diversity of the planet's music by highlighting the most important social and musical aspects of each culture. The music of India, China, Japan, Indonesia, Africa, Latin America, and Native Americans is studied. Prerequisite: APEN 85+ or ENGL 099. Semester offered: Fall.[NM Common Course Number MUSI 1113, Area V: Humanities/Fine Arts Core]

MUSI-114 Fundamentals of Music Theory 3 cr.
 Introduction to basic materials and concepts of music theory, melody, rhythm, harmony, form and expression, through involvement as singers, players, creators, movers, listeners and readers of music. Designed for beginning music students as well as those with little or no musical training. Semester offered: Fall and Spring.[NM Common Course Number MUSI 1213, Area V: Humanities/Fine Arts Core]

MUSI-115 Roots of American Pop Music 3 cr.
 The music of America is a multicultural blend whose roots are found in Africa, on Broadway, in the Caribbean and South America, at the Grand Ole Opry and in Native American and Pacific American music. By examining those roots we trace the development of jazz, rhythm and blues, folk, and rock and its various descendents. Listening includes in-class and web-based musical examples for outside-of-class listening. Student presentations on areas of interest serve as capstone projects.

MUSI-120 APMU: Instrumental 1 cr.
 Private instruction in instrumental music for woodwind, brass, and other instruments not specifically listed below. May be repeated for a total of three hours. Corequisite: one or more of the following - MUSI 180, 181, 182, 183, 184, 187, or 188. Semester offered: Fall and Spring.

MUSI-121 APMU: Guitar 1 cr.
 Semester offered: On Demand

MUSI-122 APMU: Percussion 1 cr.
 Semester offered: Fall and Spring

MUSI-123 APMU: Piano 1 cr.
 Semester offered: Fall and Spring

MUSI-124 APMU: Voice 1 cr.
 Private instruction. May be repeated for a total of three credit hours. Semester offered: Fall and Spring.

MUSI-130 Music Theory 3 cr.
 The study of major and minor scales and key signatures; major, minor, augmented, and diminished intervals as applied to triads for four-part harmony writing; theory rules of motion, voice-leading, doubling, etc. Diatonic seventh chords and common chord modulation will be included for study towards the end of the semester. This class is designed for music majors and those who already have a solid foundation in